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# **A Catalogue of Tree, Shrub and Some Herb Species Found on The Panchakot Mahavidyalaya Campus, Purulia, West Bengal, India**

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**Abstract:** As a key aspect of biological diversity, vegetation is indispensable for supporting human and animal life, offering vital energy sources, and maintaining ecological balance by mitigating soil erosion, desertification, and other environmental degradation. The creation of sustainable plant communities can be achieved by designing landscapes that feature a diverse palette of plants, encompassing trees, medicinal plants, and ornamental plants, which collectively contribute to a healthy environment, provide ecosystem services, and support biodiversity. The objective of this project was to quantify the number of species with frequency by preparing a catalogue. The study further aims to foster a sense of responsibility among students to protect and preserve the biodiversity particularly in regards to the medicinal values of plants and plant life on the campus of Panchakot Mahavidyalaya, located in Purulia district, West Bengal, India. In this present investigation 118 species of 46 families were found in the campus, of which woody trees (35), shrubs (32), herbs (26) and some creepers (15), palm (05), grasses (03), parasitic (02) plants etc.

**Keywords:** Catalogue, medicinal plants, ecological balance, Panchakot Mahavidyalaya.

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